

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Louise C. Sengupta et al. )  
Serial No.: 09/768,690 )  
Filed: January 24, 2001 )  
For: **ELECTRONICALLY TUNABLE, LOW-LOSS CERAMIC MATERIALS INCLUDING A  
TUNABLE DIELECTRIC PHASE AND MULTIPLE METAL OXIDE PHASES**

To the Assistant Commissioner  
for Patents  
Washington, D.C. 20231

I hereby certify that this correspondence is being deposited with the  
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Assistant Commissioner for Patents,  
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on October 16, 2002

Signature William J. Tucker

Dear Sir:

**INFORMATION DISCLOSURE STATEMENT**

Herewith are Form PTO-1449 and one copy of each document listed thereon. Attention is also directed to any item(s) designated below:

- ☒ 1. Please charge any fees required by this paper may be charged to Deposit Account No. 50-1481.
- ☒ 2. The undersigned certifies that each enclosed document (except for References A1-A3 and C1) was cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of the Information Disclosure Statement.
- ☐ 3. The relevance of any enclosed non-English language document(s) is concisely explained as follows.

Respectfully submitted,

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PATENT TRADEMARK OFFICE

## Form PTO-1449 Modified

List of Patents and Publications  
Cited by Applicant  
(Use several sheets if necessary)

U.S. Patent Department of Commerce  
Patent and Trademark Office

Docket No.: 283014-00029

Serial No.: 09/768,690

Applicant: Louise C. Sengupta et al.

Filing Date: January 24, 2001

Group: 1755

## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	A-1	5,635,434	June 3, 1997	Sengupta	501	138
	A-2	5,427,988	June 27, 1995	Sengupta et al.	501	137
	A-3	U.S. Serial.No. 09/594,837	Filed: 6/15/00	Chiu et al.		
	A-4	6,074,971	June 13, 2000	Chiu et al.	501	139

## FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Publication Date	Country	Translation	
					Yes	No
	B-1	WO 01/99224 A1	Dec. 27, 2001	PCT Patent Application	X	
	B-2	WO 00/28613 A1	May 18, 2000	PCT Patent Application	X	
	B-3	EP 0 615 262 A2	Sept. 14, 1994	European Patent Application	X	
	B-4	GB 761,307	Nov. 14, 1956	GB Patent Application	X	

## OTHER DOCUMENTS

Examiner Initials		Author, Title, Date, Pertinent Pages, Etc.
	C-1	R.w. Babbitt et al. "Planar Microwave Electro-Optic Phase Shifters", Microwave Journal, June 1992, pages 63-79.
	C-2	PCT International Search Report for International Application No. PCT/US02/01856 dated October 7, 2002.
	C-3	L. Zhou et al. "Electrical Properties of $\text{Sr}_{0.7}\text{Ba}_{0.3}\text{TiO}_3$ Ceramics Doped with $\text{Nb}_2\text{O}_5$ , $3\text{Li}_2\text{O}$ , $2\text{SiO}_2$ , and $\text{Bi}_2\text{O}_3$ " J. Am. Ceram. Soc., vol. 74, No. 11, pages 2925-2927 (1991).

Date Examined:

Examiner: